

8.4 lbs

Pulled & Installed

Work Order ID 124576

124576

Page 1

Wednesday, October 01, 2014 8:39:54 AM

Item ID: 41228-202-133-003

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Pump Plate Assembly Transfer, LH

Start Date: 9/17/14 Start Qty: 1.00 *1*

Cust Item ID:

Required Date: 9/30/14 Req'd Qty: 1.00 *1*

Customer:

Reference:

Approvals:

Process Plan: 

Date: 10-01

Tooling:

Date:

Run Start *NR1*

QC:

Date:

SPC (Y/N):

Date:

Stop *NR2*

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr

Revision Nbr

41228-202-133

D1

110

0.00

110

Small Fab

Memo

Small Fab

MANUFACTURE AS PER DWG'S

0.00

120

QC5- Inspect part completeness to step on W/O

0.00

120

QC

Memo

Quality Control

0.00

130

Identify as per dwg & Stock Location. 

0.00

130

Packaging

Memo

Packaging

0.00

1 6 KC
14/09/30

D 15-02-06 DAS 9 9-00

① KC 14/08/12

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Work Order ID 124576***124576***

Page 2

Wednesday, October 01, 2014 8:39:54 AM

Item ID: 41228-202-133-003

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Pump Plate Assembly Transfer, LH

Start Date: 9/17/14 Start Qty: 1.00 ***1***

Cust Item ID:

Required Date: 9/30/14 Req'd Qty: 1.00 ***1***

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run HoursTool ID Tool # Plan
Code Accept Reject Reject Insp.
Qty Qty Number Stamp

140

QC21- Final Inspection - Work Order Release

0.00

140

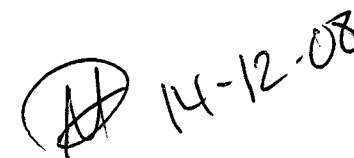
QC

Memo

0.00

Quality Control

MLZ 15-02-10



DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

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Handling/Pre									
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Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Picklist Print

Wednesday, October 01, 2014 8:40:01 AM

Page 1

Work Order ID: 124576

124576

Parent Item: 41228-202-133-003

41228-202-133-003

Parent Item Name: Pump Plate Assembly Transfer, LH

Start Date: 9/17/14

Required Date: 9/30/14

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 14.07.31 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

601.3400		Purchased	No				Each	0.0000		3			
601 3400									**		3	14/09/30	KC
NUT	MS 21042-3				M129682								

NAS1149D0463J		Purchased	No				Each	4,397.000		13			
NAS1149D0463.J									**		13	14/09/30	KC
WASHER													

no stock in
inventory

Location	Loc Qty	Loc Code
CA	485	
M129682	485	
ST277	3912	
16941	8	
M126221	20	
M127813	6	
M127904	16	
M128591	44	
M128995	1500	
M129390	2318	

650.0210		Purchased	No				Each	16.0000		3			
650 0210									**				
DRAIN VALVE NUT	A-568-A												

1 not 3

Location	Loc Qty	Loc Code
CA	16	
M129682	16	

14/09/30 KC

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Picklist Print

Wednesday, October 01, 2014 8:40:01 AM

Page 2

Work Order ID: 124576

124576

Parent Item: 41228-202-133-003

41228-202-133-003

Parent Item Name: Pump Plate Assembly Transfer, LH

Start Date: 9/17/14

Required Date: 9/30/14

Start Qty: 1.00

Required Qty: 1.00

15-716

Purchased

No

Each

58.0000

1

15-716

Gasket 481-4814-1 Alternate

14/09/30 KC

Location

Loc Qty

Loc Code

CA

58

M129682

58

Each

117.0000

1

MS29512-08

Purchased

No

MS29512-08

O-RING

14/09/30 KC

Location

Loc Qty

Loc Code

ST284

117

m125773

7

m128224

10

m129593

50

m129624

50

Each

50.0000

1

MS29513-010

Purchased

No

MS29513-010

O-RING

14/09/30 KC

Location

Loc Qty

Loc Code

ST284

50

m129624

50

Each

33.0000

1

MS29513-020

Purchased

No

MS29513-020

O-RING

14/09/30 KC

Location

Loc Qty

Loc Code

CA

3

m129682

3

ST284

30

m129630

30

Wednesday, October 01, 2014 8:40:02 AM

Shop Packet Print

Page 2

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

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Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence
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Picklist Print

Wednesday, October 01, 2014 8:40:02 AM

Work Order ID: 124576

124576

Parent Item: 41228-202-133-003

41228-202-133-003

Parent Item Name: Pump Plate Assembly Transfer, LH

Start Date: 9/17/14

Required Date: 9/30/14

Start Qty: 1.00

Required Qty: 1.00

MS29513-113

Purchased

No

Each

20.0000

1

MS29513-113

O-RING

14/09/30 KC.

Location

Loc Qty

Loc Code

ST285

20

m129541

20

Each

74.0000

1

MS29513-270

Purchased

No

MS29513-270

O-RING

14/09/30 KC.

Location

Loc Qty

Loc Code

CA

74

M129682

62

M130464

12

Each

6.0000

1

11728-200-012-001

Purchased

No

11728-200-012-001

TRANSFER MOUNTING PLATE

14/09/30 KC.

Location

Loc Qty

Loc Code

CA

6

m129575

5

m129682

1

Each

9.0000

1

11728-200-014-001

Purchased

No

11728-200-014-001

SPACER RING

14/09/30 KC.

Location

Loc Qty

Loc Code

CA

9

m129575

3

m129682

6

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

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Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Handling/Pre									
Material									
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Training									
Transport									
Unapproved									

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Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Picklist Print

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Wednesday, October 01, 2014 8:40:02 AM

Work Order ID: 124576

124576

Parent Item: 41228-202-133-003

41228-202-133-003

Parent Item Name: Pump Plate Assembly Transfer, LH

Start Date: 9/17/14

Required Date: 9/30/14

Start Qty: 1.00

Required Qty: 1.00

120-068-13

Purchased

No

Each

30.0000

2

120-068-13

SEAL

**

14/09/30 KC

Location

Loc Qty

Loc Code

CA

30

m129682

10

m129686

20

2

1C64-1

Purchased

No

Each

12.0000

1

1C64-1

BOOST PUMP

**

14/09/30 KC

Location

Loc Qty

Loc Code

CA

12

M129682

12

1

21228-301-005-005

Purchased

No

Each

5.0000

1

21228-301-005-005

Decal

**

14/09/30 KC

Location

Loc Qty

Loc Code

CA

5

m129682

5

3

41228-202-091-001

Purchased

No

Each

0.0000

41228-202-091-001

Fuel Probe Gasket

**

14/09/30 KC

41228-202-091-003

Manufactured

No

Each

1.0000

1

41228-202-091-003

412 Transfer Pump Gasket

**

14/09/30 KC

Location

Loc Qty

Loc Code

CA

1

M129682

1

1

M126174

Wednesday, October 01, 2014 8:40:02 AM

Shop Packet Print

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DQA: _____ Date: _____



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Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐															
Large Fab ☐	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Picklist Print

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Page 5

Work Order ID: 124576

124576

Parent Item: 41228-202-133-003

41228-202-133-003

Parent Item Name: Pump Plate Assembly Transfer, LH

Start Date: 9/17/14

Required Date: 9/30/14

Start Qty: 1.00

Required Qty: 1.00

41228-202-137-001

Manufactured

No

Each

11.0000

1

41228-202-137-001

Retainer

14/09/30 KC

Location

Loc Qty

Loc Code

CA

11

m129682

11

Each

14.0000

1

14/09/30 KC

41228-203-045-001

Manufactured

No

41228-203-045-001

Plug

Location

Loc Qty

Loc Code

CA

14

m129682

14

Each

4.0000

1

14/09/30 KC

513B-8B

Purchased

No

513B-8B

DRAIN VALVE ELECTRIC

Location

Loc Qty

Loc Code

CA

4

M129682

4

Each

1,869.000

1

14/09/30 KC

MS27039-1-08

Purchased

No

MS27039-1-08

Screw

Location

Loc Qty

Loc Code

ST305

1869

m123265

4

m125654

3

m126319

8

m128636

1854

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Crosstube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Picklist Print

Page 6

Wednesday, October 01, 2014 8:40:02 AM

Work Order ID: 124576

124576

Parent Item: 41228-202-133-003

41228-202-133-003

Parent Item Name: Pump Plate Assembly Transfer, LH

Start Date: 9/17/14

Required Date: 9/30/14

Start Qty: 1.00

Required Qty: 1.00

NAS1149D0363J

Purchased

No

Each

2,154.000

10

NAS1149D0363.J

14/09/30 KC

Washer

Location

Loc Qty

Loc Code

GA

7

124392

7

ST276

1005

m123441

5

m130358

1000

ST510a

1142

m128429

1142

10

NAS1149D0332J

Purchased

No

Each

3,375.000

1

NAS1149D0332.J

14/09/30 KC

Washer

Location

Loc Qty

Loc Code

CA

39

m129682

39

1

ST276

3336

m128606

28

m128612

1127

m129624

181

m130325

2000

AN3-12A

Purchased

No

Each

15.0000

5

AN3-12A

14/09/30 KC

Bolt

Location

Loc Qty

Loc Code

CA

15

m129682

15

5

Wednesday, October 01, 2014 8:40:03 AM

Shop Packet Print

Page 6

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐															
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐															
Large Fab ☐	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Picklist Print

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Page 7

Work Order ID: 124576

124576

Parent Item: 41228-202-133-003

41228-202-133-003

Parent Item Name: Pump Plate Assembly Transfer, LH

Start Date: 9/17/14

Required Date: 9/30/14

Start Qty: 1.00

Required Qty: 1.00

AN3H-10A

Purchased

No

Each

20.0000

1

AN3H-10A

14/09/30 KC

BOLT

Location

Loc Qty

Loc Code

ST349

20

m2129541

20

Each

13.0000

1

AN3H-7A

Purchased

No

AN3H-7A

14/09/30 KC

BOLT

Location

Loc Qty

Loc Code

CA

13

M129682

13

Each

343.0000

8

AN4-5A

Purchased

No

AN4-5A

14/09/30 KC

BOLT

Location

Loc Qty

Loc Code

CA

59

m129682

59

ST355

284

120562

180

15247

4

m127817

100

Each

99.0000

1

AN4H-42A

Purchased

No

AN4H-42A

14/09/30 KC

BOLT

Location

Loc Qty

Loc Code

CA

99

M129682

99

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td style="width: 25%;">Skid-tube ☐</td> <td style="width: 25%;">Crosstube ☐</td> <td style="width: 25%;">Water Jet ☐</td> <td style="width: 25%;">Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐															
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐															
Large Fab ☐	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge	☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Picklist Print

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Page 8

Work Order ID: 124576

124576

Parent Item: 41228-202-133-003

41228-202-133-003

Parent Item Name: Pump Plate Assembly Transfer, LH

Start Date: 9/17/14

Required Date: 9/30/14

Start Qty: 1.00

Required Qty: 1.00

AN814-4DL

Purchased

No

Each

17.0000

1

***AN814-4DL ***

PLUG

**

14/09/30 KC

Location

Loc Qty

Loc Code

CA

7

m129682

2

m129686

5

m129913

10

AN815-8D

Purchased

No

Each

24.0000

1

***AN815-8D ***

Union-M-Flare

**

14/09/30 KC

Location

Loc Qty

Loc Code

CA

2

m129682

2

ST326

22

124239

12

m127290

10

NAS1149D0763J

Purchased

No

Each

34.0000

2

***NAS1149D0763J ***

WASHER

**

14/09/30 KC

Location

Loc Qty

Loc Code

CA

34

M129682

34

AN960PD4

Purchased

No

Each

0.0000

6

***AN960PD4 ***

WASHER

**

14/09/30 KC

M129682

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐															
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐															
Large Fab ☐	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Picklist Print

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Work Order ID: 124576

124576

Parent Item: 41228-202-133-003

41228-202-133-003

Parent Item Name: Pump Plate Assembly Transfer, LH

Start Date: 9/17/14

Required Date: 9/30/14

Start Qty: 1.00

Required Qty: 1.00

MS21042L3

Purchased

No

Each

1,906.000

3

MS21042L3

**

14/09/30 KC

Nut

Location

Loc Qty

Loc Code

ST307

1906

123900

934

M127410

11

M127831

41

M128401

42

M128754

878

3

MS21919WF18

Purchased

No

Each

10.0000

1

MS21919WF18

**

14/09/30 KC

CLAMP

Location

Loc Qty

Loc Code

CA

10

m129686

10

Each

16.0000

1

MS21919WF3

Purchased

No

MS21919WF3

**

14/09/30 KC

CLAMP

Location

Loc Qty

Loc Code

CA

16

M129682

16

Each

88.0000

4

MS24678-26

Purchased

No

MS24678-26

**

14/09/30 KC

CAP SCREW

Location

Loc Qty

Loc Code

CA

88

M129682

88

Each

0.0000

2

MS24693S272

Purchased

No

MS24693S272

**

14/09/30 KC

SCREW

Wednesday, October 01, 2014 8:40:03 AM

Shop Packet Print

Page 9

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐															
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Large Fab ☐	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Picklist Print

Wednesday, October 01, 2014 8:40:03 AM

Work Order ID: 124576

124576

Parent Item: 41228-202-133-003

41228-202-133-003

Parent Item Name: Pump Plate Assembly Transfer, LH

Start Date: 9/17/14

Required Date: 9/30/14

Start Qty: 1.00

Required Qty: 1.00

MS24693-S296

Purchased

No

Each

213.0000

12

MS24693-S296

SCREW CSK

14/09/30 KC

Location

Loc Qty

Loc Code

CA

213

12

M129682

213

2

Each

21.0000

2

14/09/30 KC

MS25171-1S

Purchased

No

MS25171-1S

BOOT

not installed

Location

Loc Qty

Loc Code

CA

21

2

M129682

21

1

Each

9.0000

1

14/09/30 KC

MS27212-1-5

Purchased

No

MS27212-1-5

Terminal Strip

Location

Loc Qty

Loc Code

CA

9

1

M129682

9

1

Each

94.0000

1

14/09/30 KC

MS29512-04

Purchased

No

MS29512-04

O-RING

Location

Loc Qty

Loc Code

CA

76

1

m129682

76

1

ST284

18

1

m127305

4

1

m129541

14

1

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐															
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐															
Large Fab ☐	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Picklist Print

Wednesday, October 01, 2014 8:40:04 AM

Work Order ID: 124576

124576

Parent Item: 41228-202-133-003

41228-202-133-003

Parent Item Name: Pump Plate Assembly Transfer, LH

Start Date: 9/17/14

Required Date: 9/30/14

Start Qty: 1.00

Required Qty: 1.00

11728-200-013-001 Purchased No

11728-200-013-001

NUT RING, PROBE

Each 6.0000 1

**

14/09/30 KC

Location

Loc Qty

Loc Code

CA

6

m129575

3

m129682

3

Each

9.0000

1

**

14/09/30 KC

11728-200-015-001 Purchased No

11728-200-015-001

REINFORCEMENT PLATE

Location

Loc Qty

Loc Code

CA

9

m129575

3

m129682

6

Each

7.0000

1

**

14/09/30 KC

41228-202-087-001 Manufactured No

41228-202-087-001

412 Transfer Pump Spacer Ring

Location

Loc Qty

Loc Code

CA

7

m129682

7

Each

10.0000

1

**

14/09/30 KC

41228-202-094-001 Purchased No

41228-202-094-001

Fitting

Location

Loc Qty

Loc Code

CA

10

M129998

10

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Picklist Print

Page 12

Wednesday, October 01, 2014 8:40:04 AM

Work Order ID: 124576

124576

Parent Item: 41228-202-133-003

41228-202-133-003

Parent Item Name: Pump Plate Assembly Transfer, LH

Start Date: 9/17/14

Required Date: 9/30/14

Start Qty: 1.00

Required Qty: 1.00

41228-203-005-003

Manufactured

No

Each

14.0000

1

41228-203-005-003

14/09/30 KC

Fuel Probe 7740-00437

Location

Loc Qty

Loc Code

CA

14

M129682

14

Wednesday, October 01, 2014 8:40:04 AM

Shop Packet Print

Page 12

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 03768				SHEET 1 OF 1	
	DWG NO. 41228-202-133		REV: D	PREPARED BY J. GARDINER	DATE: 01/14/13	EFFECT ON DWG ☐ INC. ☒ UNINC.
	DWG TITLE: TRANSFER PUMP MOUNTING PLATE ASSY					
APPROVED BY: ENGR <i>[Signature]</i>		MFG <i>[Signature]</i>		QC <i>[Signature]</i>	EFF: CURRENT ORDER	
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		REASON: REVISED F/N 18, 21 & 55.				

**CONTROL COPY
ISSUED DATE**

JAN 23 2013

*1149-16
124576*

55	R	650.0210	1	1	1	1	1	1	DRAIN VALVE NUT		
21	R	601.3401	13	13	13	13	13	13	WASHER	NAS1149D0463J	
18	R	601.3400	3	3	3	3	3	3	NUT	NAS679-A06	△
F/N	TC	PART NUMBER	-006	-005	-004	-003	-002	-001	DESCRIPTION	MATERIAL	SPECIFICATION
			QTY								
DOCUMENTS EFFECTED:									CHANGE CATEGORY		DER REVIEW REQUIRED
☐ MDL ☐ INSTALL INSTRU ☐ ICA ☒ BOM									☐ MAJOR ☒ MINOR		☐ YES ☒ NO

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REV	DESCRIPTION	DATE	BY
A	INCORPORATED ECT A-1 THRU A-9.	12-09-95	
B	ADDED -003/-004 ASSY; CHANGED NEXT ASSY; ADDED SHEETS 3 & 4; ADDED NOTES 1 & 2; REPLACED 41228-200-010 DEL LEAD ASSY & 41228-202-000-001 MOUNTING BKT. 41228-202-136-001 ASSY; ADDED FND NLS TO DWG.	06-08-98	
C	ADDED -005 & -006 ASSY'S; ADDED ITEM 82A & 82B 41228-202-148-001 & 41228-202-148-002 P/N BY ITEM #148 41228-200-013-001 TO 11728-200-013-001 DEL-ETED ITEM 41; ADDED SECTION C-C TO SH 4; ADDED ITEMS 50 THRU 55; UPDATED NEXT ASSY.		
D	INCORPORATED ECH 01996, 01927 & 02909	10-28-10	P. BRAVER

UNINCORPORATED ECN(S)

03768

6	6	6	6	6	6	22	AN960PD4	WASHER			
13	13	13	13	13	13	21	NAS1149D0463J	WASHER			
10	10	10	10	9	9	20	601.1718	WASHER		NAS1149D0363J	
2	2	2	2	2	2	19	AN960JD716	WASHER			△
3	3	3	3	3	3	18	NAS679-A06	NUT			△
1	1	1	1	1	1	17	MS29512-08	O-RING			
1	1	1	1	1	1	16	MS29512-04	O-RING			
1	1	1	1	1	1	15	MS29513-113	O-RING			
1	1	1	1	1	1	14	MS29513-010	O-RING			
1	1	1	1	1	1	13	MS29513-020	O-RING			
					1	12	A470-1	DRAIN VALVE			△
					1	11	AE1011664H0480	HOSE ASSY			△
3	3	3	3	2	2	10	41228-202-091-001	PROBE GASKET			
1	1	1	1	1	1	9	41228-203-045-001	PLUG			
2	2	2	2	1	1	8	41228-202-091-003	PUMP GASKET			
1	1	1	1	1	1	7	41228-202-136-001	MOUNTING BKT./THERMISTOR LEAD ASSY			
1	1	1	1	1	1	6	41228-202-094-001	FITTING			
1	1	1	1	1	1	5	41228-202-137-001	RETAINER			
					1	4	41228-203-005-005	FUEL PROBE			
1	1				1	3	41228-203-005-003	FUEL PROBE			
1						2B	41228-202-148-002	TRANSFER PUMP MOUNTING PLATE			
	1					2A	41228-202-148-001	TRANSFER PUMP MOUNTING PLATE			
						2	11728-200-012-001	TRANSFER PUMP MOUNTING PLATE			
					1	1	41228-202-116-001	TRANSFER PUMP MOUNTING PLATE			
							41228-202-133-006	R/H ASSY			
							41228-202-133-005	L/H ASSY			
							41228-202-133-004	R/H ASSY			
							41228-202-133-003	L/H ASSY			
							41228-202-133-002	R/H ASSY			△
							41228-202-133-001	L/H ASSY			△

QTY REQ'D	DESCRIPTION	MAT'L	SPEC
	006-005-004-003-002-001		
	PART No.		
	DESCRIPTION		
	PARTS LIST		
	ORIGINAL DATE 01-28-94		
	DESIGNED BY T. HANVILLE		
	ENGINEERING APPROVAL		
	CONTRACT NO.		
	UNLESS OTHERWISE SPECIFIED		
	STANDARD: ASME Y14.5-1994		
	1. DIMENSIONS IN INCHES		
	2. DIMENSIONS IN MILLIMETERS		
	3. DIMENSIONS IN FEET		
	4. DIMENSIONS IN METERS		
	5. DIMENSIONS IN CENTIMETERS		
	6. DIMENSIONS IN DECIMETERS		
	7. DIMENSIONS IN MILES		
	8. DIMENSIONS IN KILOMETERS		
	9. DIMENSIONS IN KILOGRAMS		
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	100. DIMENSIONS IN KILOGRAMS		

- △ ROCHESTER GAUGES, INC. DALLAS TX.
- △ (USE WITH MS27212-1-5 ONLY)
- △ (USE WITH MS27212-1-3 ONLY)
- △ PARKER HANNIFIN CORP. AIRBORNE DIVISION ELYRIA, OHIO
- △ ALT P/N 800-515-10015 / BELL HELICOPTER FT. WORTH, TX.
- △ AUTO VALVE, DAYTON, OH.
- △ SHAW AERO, FT. MEYERS, FLA.
- △ ALT P/N NAS1149D0363J
- △ ALT P/N BACN10JC06
- △ SHAW AERO DEVICES NAPLES FL.
- △ AEROQUIP JACKSON MICH.
- △ INSULATOR, F/N 37, SENT AS PART OF FUEL PROBE, F/N 3 OR F/N 4
- △ P/N 41228-202-133-004 REPLACES P/N 41228-202-133-002.
- △ P/N 41228-202-133-003 REPLACES P/N 41228-202-133-001.

NOTES:

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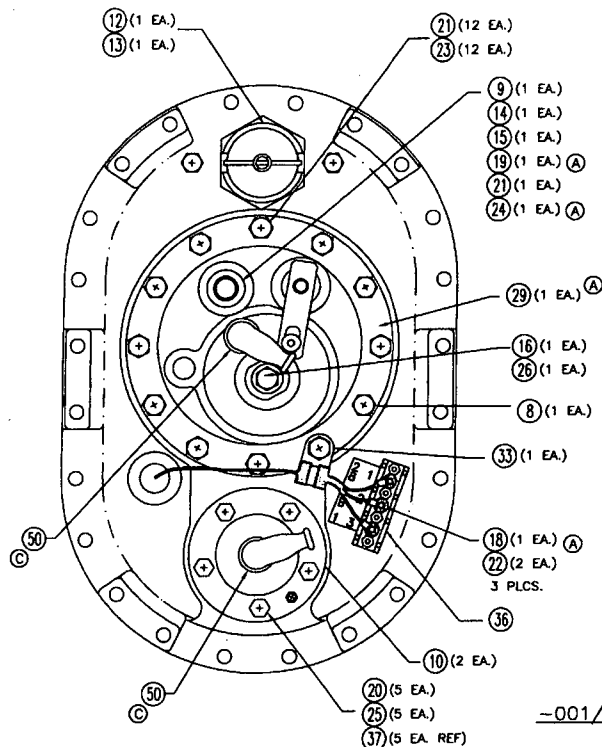
1	1	1	1	1	1	56	15-716	GASKET			△
1	1	1	1	1	1	55	A-588-A	NUT, DRAIN VALVE			
	1		1			54	21228-301-005-005	DECAL			△
1		1				53	21228-301-005-004	DECAL			△
				1		52	21228-301-005-003	DECAL			△
					1	51	21228-301-005-002	DECAL			△
2	2	2	2	2	2	50	MS25171-1S	BOOT			
1	1	1	1	1	1	49	601.2182	WASHER	NAS1149D0332J		
1	1	1	1			48	41228-202-087-001	TRANSFER PUMP SPACER RING			
12	12	12	12			47	MS24693-S296	CSK SCREW			
1	1	1	1			46	513B-8B	DRAIN VALVE ELECTRIC			△
							A280-1 OR -2	DRAIN VALVE ELECTRIC			△
4	4	4	4			45	MS24678-26	CAP SCREW			
1	1	1	1			44	11728-200-015-001	REINFORCEMENT PLATE			
1	1	1	1			43	11728-200-014-001	SPACER RING			
1	1	1	1			42	11728-200-013-001	NUT RING			
1	1	1	1			41	MS27212-1-5	TERMINAL STRIP			
8	8	8	8			40	AN4-5A	BOLT			
2	2	2	2			39	MS24693S272	SCREW			
1	1	1	1	1	1	38	AN815-8D	FITTING			
REF	REF	REF	REF	REF	REF	37	40S20	INSULATOR			
					1	36	MS27212-1-3	TERMINAL STRIP			
1	1	1	1	1	1	35	MS29513-270	O-RING			
1	1	1	1	1	1	34	MS21919WF18	CLAMP			
3	3	3	3	1	1	33	MS21919WF3	CLAMP			
3	3	3	3	3	3	32	MS21042-3	NUT			
1	1	1	1	1	1	31	601.1621	SCREW	MS27039-1-08		
1	1	1	1	1	1	30	AN3H-10A	BOLT			
1	1	1	1	1	1	29	1C64-1	TRANSFER PUMP			△
2	2	2	2	2	2	28	120-068-13	SEAL (A)			△
1	1	1	1	1	1	27	AN3H-7A	BOLT			
1	1	1	1	1	1	26	AN814-4DL	PLUG			
5	5	5	5	5	5	25	AN3-12A	BOLT			
1	1	1	1	1	1	24	AN4H-42A	BOLT			
				12	12	23	AN4-5A	BOLT			
×	×	×	×	×	×		41228-202-133-006	R/H ASSY			
×	×	×	×	×	×		41228-202-133-005	L/H ASSY			
×	×	×	×	×	×		41228-202-133-004	R/H ASSY			
×	×	×	×	×	×		41228-202-133-003	L/H ASSY			
×	×	×	×	×	×		41228-202-133-002	R/H ASSY			
×	×	×	×	×	×		41228-202-133-001	L/H ASSY			
-006	-005	-004	-003	-002	-001	FIND No.	PART No.	DESCRIPTION	MAT'L	SPEC	
QTY REQ'D						PARTS LIST					
NEXT ASSY(S)						ORIGINAL DATE 01-26-84					
						DRAWN BY T. MARVILLE					
						CHECKED BY					
						CONTRACT NO.					
						UNLESS OTHERWISE SPECIFIED					
						DIMENSIONS ARE IN INCHES					
						TOLERANCES: FRACTIONS 1/16" DECIMALS 0.005" ANGLES 1/2°					
						SCALE NONE					
						SHEET 2 of 8					



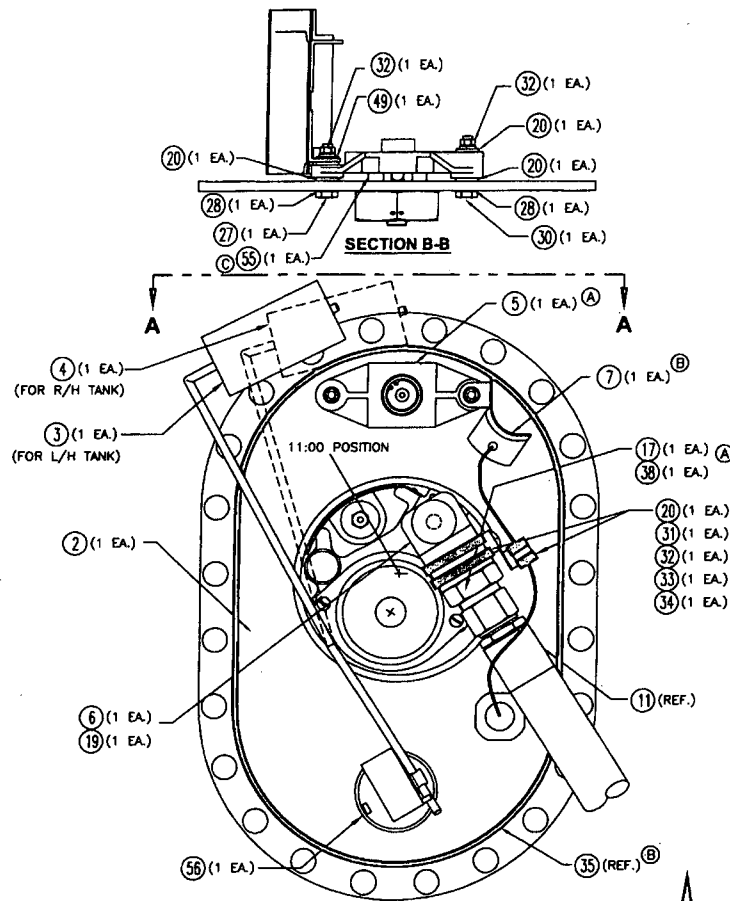
TRANSFER PUMP MOUNTING PLATE ASSY

DATE 07/22/88 41228-202-133

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APICAL INDUSTRIES ANY REPRODUCTION IN PART OR WHOLE WITHOUT
THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.



VIEW LOOKING UP AT TRANSFER PUMP PLATE ASSY

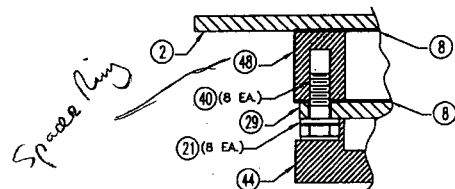


VIEW LOOKING DOWN AT TRANSFER PUMP PLATE ASSY

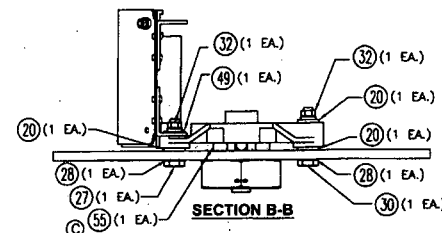
-001/-002 PLATE ASSY

ORIGINAL DATE: 01-28-94		APICAL INDUSTRIES, INC.	
DRAWN BY: T. HARVILLE		41228-202-133	
DRAWING APPROVAL:		TRANSFER PUMP MOUNTING PLATE ASSY	
CONTRACT NO.:		REV: 0	
UNLESS OTHERWISE SPECIFIED:		SCALE: NONE	
DIMENSIONS ARE IN INCHES		SHEET 3 OF 6	
1/16" MIN. UNLESS NOTED			
FRACTIONS TO BE SHOWN AS DECIMALS			
ALL DIMENSIONS ARE TO CENTER UNLESS NOTED			

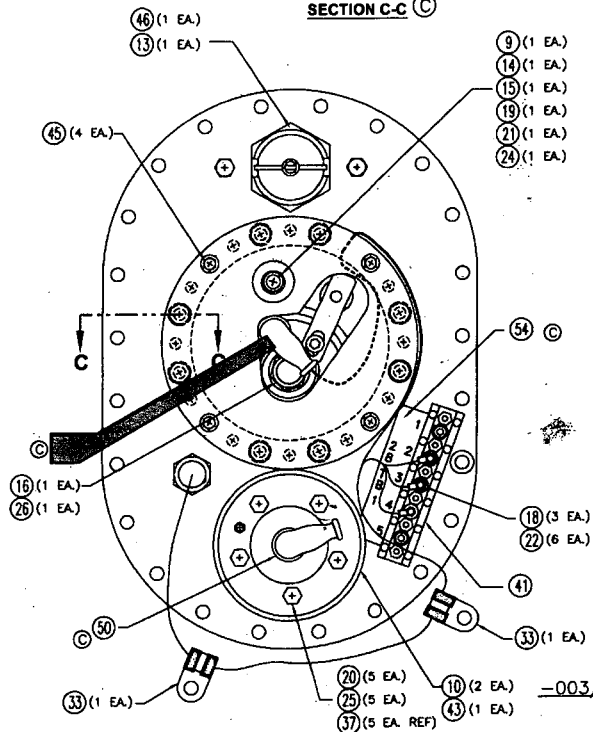
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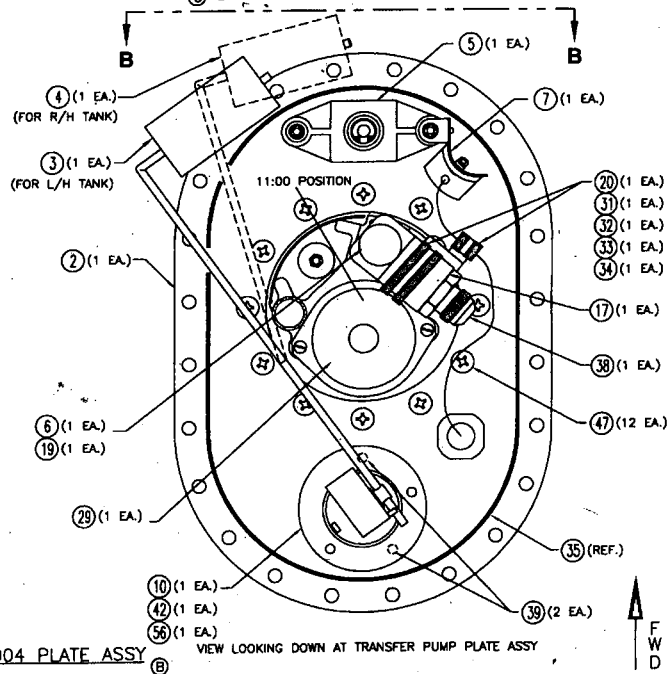
SECTION C-C



SECTION B-B



VIEW LOOKING UP AT TRANSFER PUMP PLATE ASSY

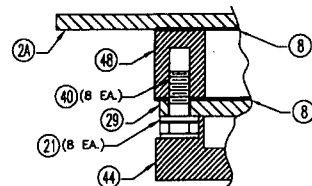


VIEW LOOKING DOWN AT TRANSFER PUMP PLATE ASSY

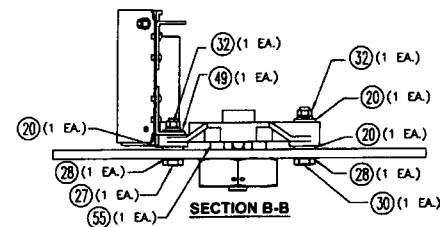
-003/-004 PLATE ASSY

ORIGINAL DATE 01-28-84	APICAL INDUSTRIES, INC. 200 NEW HAVEN RD. NEW HAVEN, CT 06511-1100	
DESIGNED BY T. HARVILLE	TRANSFER PUMP MOUNTING PLATE ASSY	
DRAWING APPROVAL	SIZE B	DATE 41228-202-133
CONTRACT NO.	OTHERS	SCALE NONE
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS ARE 16, 32, 64, 128, 256, 512, 1024, 2048, 4096, 8192, 16384, 32768, 65536, 131072, 262144, 524288, 1048576, 2097152, 4194304, 8388608, 16777216, 33554432, 67108864, 134217728, 268435456, 536870912, 1073741824, 2147483648, 4294967296, 8589934592, 17179869184, 34359738368, 68719476736, 137438953472, 274877906944, 549755813888, 1099511627776, 2199023255552, 4398046511104, 8796093022208, 17592186044416, 35184372088832, 70368744177664, 140737488355328, 281474976710656, 562949953421312, 1125899906842624, 2251799813685248, 4503599627370496, 9007199254740992, 18014398509481984, 36028797018963968, 72057594037927936, 144115188075855872, 288230376151711744, 576460752303423488, 1152921504606846976, 2305843009213693952, 4611686018427387904, 9223372036854775808, 18446744073709551616, 36893488147419103232, 73786976294838206464, 147573952589676412928, 295147905179352825856, 590295810358705651712, 1180591620717411303424, 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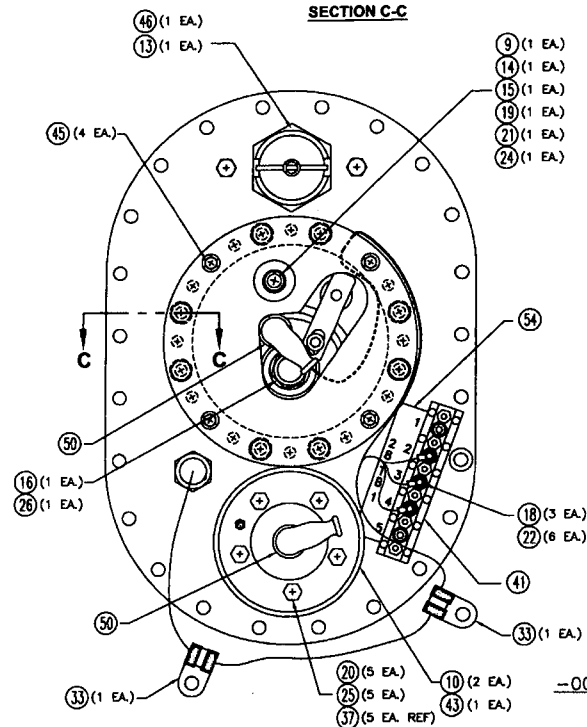
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SECTION C-C

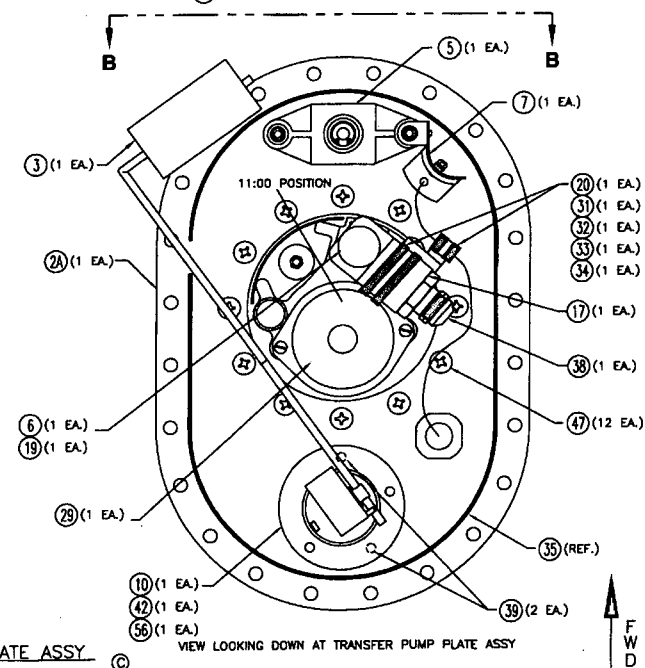


SECTION B-B



VIEW LOOKING UP AT TRANSFER PUMP PLATE ASSY

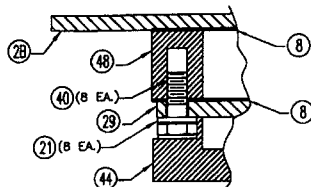
-005 PLATE ASSY



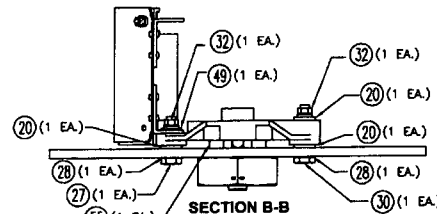
VIEW LOOKING DOWN AT TRANSFER PUMP PLATE ASSY

ORIGINAL DATE 01-28-84	 TRANSFER PUMP MOUNTING PLATE ASSY
DRAWN BY T. MARVILLE	
DESIGNED BY T. MARVILLE	
CONTRACT NO.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS ARE 1/16, 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1 1/4, 1 1/2, 1 3/4, 2, 2 1/4, 2 1/2, 2 3/4, 3, 3 1/4, 3 1/2, 3 3/4, 4, 4 1/4, 4 1/2, 4 3/4, 5, 5 1/4, 5 1/2, 5 3/4, 6, 6 1/4, 6 1/2, 6 3/4, 7, 7 1/4, 7 1/2, 7 3/4, 8, 8 1/4, 8 1/2, 8 3/4, 9, 9 1/4, 9 1/2, 9 3/4, 10	DATE 07/23/84 SCALE NONE SHEET 8 OF 8

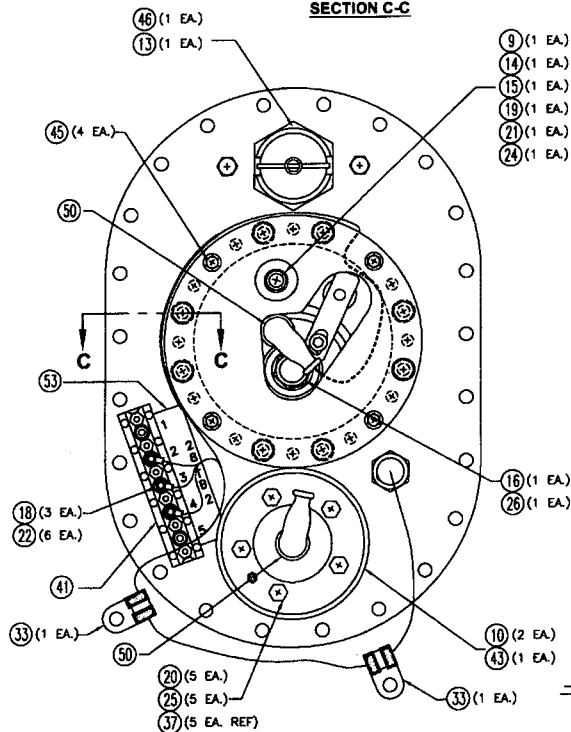
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SECTION C-C

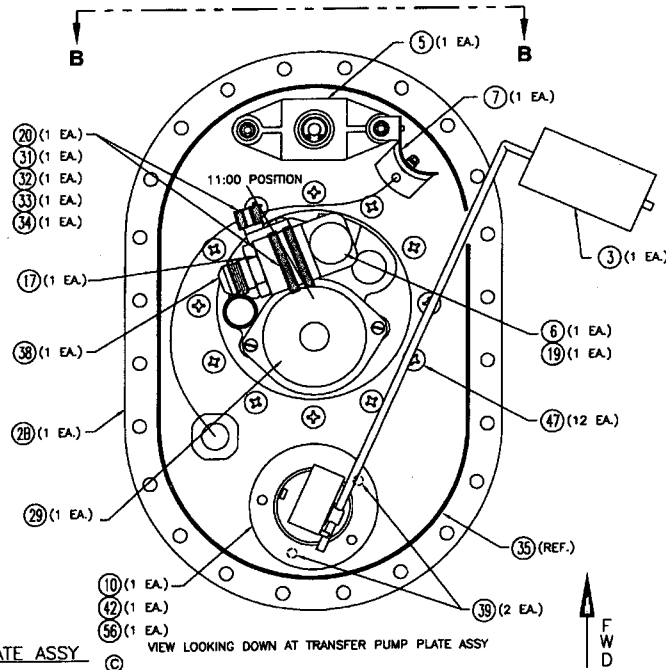


SECTION B-B



VIEW LOOKING UP AT TRANSFER PUMP PLATE ASSY

-006 PLATE ASSY



VIEW LOOKING DOWN AT TRANSFER PUMP PLATE ASSY

ORIGINAL DATE: 01-28-84 (40-24-70)	DESIGNED BY: T. HARVILLE	CHECKED:
DRAWING APPROVAL:		
CONTRACT NO.:		
MATERIALS SPECIFIED:		
DIMENSIONS ARE IN INCHES		
UNLESS OTHERWISE SPECIFIED		
SCALE: NONE		
SHEET 6 OF 6		

APICAL INDUSTRIES, INC.	
TRANSFER PUMP MOUNTING PLATE ASSY	
SIZE: 4 1/2" X 6 1/2" X 1/4"	REV: D
DATE: 07/28/84	41228-202-133